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FILE 'PASCAL' ENTERED AT 07:27:12 ON 10 JAN 2009
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=> (APG04, FDH02, D1B2) and (disease or cancer or cardiovascular or neurological or
kidney or respirotary)
L1            0 FILE AGRICOLA
L2            0 FILE BIOTECHNO
L3            0 FILE CONFSCI
L4            0 FILE HEALSAFE
L5            0 FILE LIFESCI
L6            0 FILE PASCAL

TOTAL FOR ALL FILES
L7            0 (APG04, FDH02, D1B2) AND (DISEASE OR CANCER OR CARDIOVASCULAR
                OR NEUROLOGICAL OR KIDNEY OR RESPIROTARY)

=>  (APG04, FDH02, D1B2)
L8            0 FILE AGRICOLA
L9            0 FILE BIOTECHNO
L10           0 FILE CONFSCI
L11           0 FILE HEALSAFE
L12           0 FILE LIFESCI
L13           0 FILE PASCAL

TOTAL FOR ALL FILES
L14           0 (APG04, FDH02, D1B2)

=> file .chemistry
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     9.70       9.92

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FILE 'USPATFULL' ENTERED AT 07:30:12 ON 10 JAN 2009
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=>  (APG04, FDH02, D1B2)
L15           0 FILE CAPLUS
L16           0 FILE BIOTECHNO
L17           0 FILE COMPENDEX
L18           0 FILE ANABSTR
L19           0 FILE CERAB
L20           0 FILE METADEX
L21           0 FILE USPATFULL

TOTAL FOR ALL FILES
L22           0 (APG04, FDH02, D1B2)

=>  (APG04 or FDH02 or D1B2)
L23           7 FILE CAPLUS
L24           0 FILE BIOTECHNO
L25           1 FILE COMPENDEX
L26           0 FILE ANABSTR
L27           0 FILE CERAB
L28           0 FILE METADEX
L29          25 FILE USPATFULL

TOTAL FOR ALL FILES
L30          33 (APG04 OR FDH02 OR D1B2)

=> l30 and (disease or cancer or cardiovascular or neurological or kidney or
respiratory or urological or endocrine or tumor)
L31           1 FILE CAPLUS
L32           0 FILE BIOTECHNO
L33           0 FILE COMPENDEX
L34           0 FILE ANABSTR
L35           0 FILE CERAB
L36           0 FILE METADEX
L37          10 FILE USPATFULL

TOTAL FOR ALL FILES
L38          11 L30 AND (DISEASE OR CANCER OR CARDIOVASCULAR OR NEUROLOGICAL OR
                KIDNEY OR RESPIRATORY OR UROLOGICAL OR ENDOCRINE OR TUMOR)

=> dup rem
ENTER L# LIST OR (END):l38
PROCESSING COMPLETED FOR L38
L39           11 DUP REM L38 (0 DUPLICATES REMOVED)

=> d l39 ibib abs total

L39  ANSWER 1 OF 11  USPATFULL on STN
ACCESSION NUMBER:       2005:286469  USPATFULL
TITLE:                  Mammalian proteases; related reagents
INVENTOR(S):            Balasubramanian, Sriram, La Jolla, CA, UNITED STATES
                        Ford, John, Palo Alto, CA, UNITED STATES
                        Gorman, Daniel M., Palo Alto, CA, UNITED STATES
                        Zurawski, Gerard, Midlothian, CA, UNITED STATES
PATENT ASSIGNEE(S):     Schering Corporation, a New Jersey corporation (U.S.
                        corporation)

                             NUMBER       KIND    DATE
                        ---------------- ------ --------
PATENT INFORMATION:     US 20050249733     A1   20051110
APPLICATION INFO.:      US 2003-652893     A1   20030829  (10)
RELATED APPLN. INFO.:   Division of Ser. No. US 2000-650284, filed on 29 Aug
```

2000, GRANTED, Pat. No. US 6638507 Division of Ser. No. US 1996-706216, filed on 30 Aug 1996, GRANTED, Pat. No. US 6140098
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: DNAX RESEARCH, INC., LEGAL DEPARTMENT, 901 CALIFORNIA AVENUE, PALO ALTO, CA, 94304, US
NUMBER OF CLAIMS: 11
EXEMPLARY CLAIM: 1-20
LINE COUNT: 2833
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Nucleic acids encoding various proteases, from a mammal, reagents related thereto, including specific antibodies, and purified proteins are described. Methods of using said reagents and related diagnostic kits are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L39 ANSWER 2 OF 11 USPATFULL on STN
ACCESSION NUMBER: 2004:158581 USPATFULL
TITLE: Novel polypeptides and nucleic acids encoding same
INVENTOR(S): Taupier, Raymond J., JR., East Haven, CT, UNITED STATES
Majumder, Kumud, Stamford, CT, UNITED STATES
Spaderna, Steven K., Berlin, CT, UNITED STATES
Smithson, Glennda, Guilford, CT, UNITED STATES
Mezes, Peter S., Old Lyme, CT, UNITED STATES
Vernet, Corine A.M., North Branford, CT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20040121380	A1	20040624
APPLICATION INFO.:	US 2003-689832	A1	20031020 (10)

RELATED APPLN. INFO.: Division of Ser. No. US 2001-813432, filed on 20 Mar 2001, ABANDONED

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-190835P	20000320 (60)
	US 2000-190768P	20000320 (60)
	US 2000-190972P	20000322 (60)
	US 2000-191199P	20000322 (60)
	US 2000-191947P	20000324 (60)
	US 2000-192665P	20000328 (60)
	US 2000-192657P	20000328 (60)
	US 2000-192984P	20000328 (60)
	US 2000-192664P	20000328 (60)
	US 2000-192836P	20000329 (60)
	US 2000-193843P	20000331 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MINTZ, LEVIN, COHN, FERRIS, GLOVSKY, AND POPEO, P.C., ONE FINANCIAL CENTER, BOSTON, MA, 02111
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
LINE COUNT: 8491
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides novel isolated NOVX polynucleotides and polypeptides encoded by the NOVX polynucleotides. Also provided are the antibodies that immunospecifically bind to a NOVX polypeptide or any derivative, variant, mutant or fragment of the NOVX polypeptide, polynucleotide or antibody. The invention additionally provides methods

in which the NOVX polypeptide, polynucleotide and antibody are utilized in the detection and treatment of a broad range of pathological states, as well as to other uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L39 ANSWER 3 OF 11 USPATFULL on STN
ACCESSION NUMBER: 2004:77083 USPATFULL
TITLE: Novel polypeptides and nucleic acids encoding the same
INVENTOR(S): Majumder, Kumud, Stamford, CT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20040058862	A1	20040325
APPLICATION INFO.:	US 2002-246583	A1	20020918 (10)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Ivor R. Elrifi, Esq., MINTZ, LEVIN, COHN, FERRIS,, GLOVSKY AND POPEO, P.C., One Financial Center, Boston, MA, 02111
NUMBER OF CLAIMS: 43
EXEMPLARY CLAIM: 1
LINE COUNT: 7601
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides novel isolated NOVX polynucleotides and polypeptides encoded by the NOVX polynucleotides. Also provided are the antibodies that immunospecifically bind to a NOVX polypeptide or any derivative, variant, mutant or fragment of the NOVX polypeptide, polynucleotide or antibody. The invention additionally provides methods in which the NOVX polypeptide, polynucleotide and antibody are utilized in the detection and treatment of a broad range of pathological states, as well as to other uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L39 ANSWER 4 OF 11 USPATFULL on STN
ACCESSION NUMBER: 2004:76560 USPATFULL
TITLE: Novel proteins and nucleic acids encoding same
INVENTOR(S): Agee, Michele L., Wallingford, CT, UNITED STATES
Alsobrook, John P., II, Madison, CT, UNITED STATES
Anderson, David W., Branford, CT, UNITED STATES
Berghs, Constance, New Haven, CT, UNITED STATES
Boldog, Ferenc L., North Haven, CT, UNITED STATES
Burgess, Catherine E., Wethersfield, CT, UNITED STATES
Catterton, Elina, Madison, CT, UNITED STATES
DiPippo, Vincent A., East Haven, CT, UNITED STATES
Edinger, Shlomit R., New Haven, CT, UNITED STATES
Eisen, Andrew, Rockville, MD, UNITED STATES
Ellerman, Karen, Branford, CT, UNITED STATES
Gangolli, Esha A., Acton, MA, UNITED STATES
Gerlach, Valerie, Branford, CT, UNITED STATES
Gorman, Linda, Branford, CT, UNITED STATES
Rothberg, Bonnie Gould, Guilford, CT, UNITED STATES
Guo, Xiaojia Sasha, Branford, CT, UNITED STATES
Herrmann, John L., Guilford, CT, UNITED STATES
Halvorsen, Yuan-Di, UNITED STATES
Ji, Weizhen, Branford, CT, UNITED STATES
Kekuda, Ramesh, Norwalk, CT, UNITED STATES
Khramtsov, Nikolai V., Branford, CT, UNITED STATES
LaRochelle, William J., Madison, CT, UNITED STATES
Lepley, Denise M., Branford, CT, UNITED STATES

Li, Li, Branford, CT, UNITED STATES
MacDougall, John R., Hamden, CT, UNITED STATES
Miller, Charles E., Guilford, CT, UNITED STATES
Ort, Tatiana, Milford, CT, UNITED STATES
Padigaru, Muralidhara, Branford, CT, UNITED STATES
Patturajan, Meera, Branford, CT, UNITED STATES
Pena, Carol E. A., Guilford, CT, UNITED STATES
Peyman, John A., New Haven, CT, UNITED STATES
Rieger, Daniel K., Branford, CT, UNITED STATES
Rothenberg, Mark E., Clinton, CT, UNITED STATES
Shenoy, Suresh G., Branford, CT, UNITED STATES
Smithson, Glennda, Guilford, CT, UNITED STATES
Spaderna, Steven K., Berlin, CT, UNITED STATES
Spytek, Kimberly A., New Haven, CT, UNITED STATES
Stone, David J., Guilford, CT, UNITED STATES
Taupier, Raymond J., JR., East Haven, CT, UNITED STATES
Vernet, Corine A.M., Branford, CT, UNITED STATES
Voss, Edward Z., Wallingford, CT, UNITED STATES
Zhong, Mei, Branford, CT, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 20040058338	A1	20040325	
APPLICATION INFO.:	US 2002-307817	A1	20021202	(10)

	NUMBER	DATE	
PRIORITY INFORMATION:	US 2001-336881P	20011203	(60)
	US 2001-336820P	20011205	(60)
	US 2002-361770P	20020305	(60)
	US 2002-364238P	20020313	(60)
	US 2001-338285P	20011207	(60)
	US 2002-383829P	20020529	(60)
	US 2002-383534P	20020528	(60)
	US 2001-338318P	20011207	(60)
	US 2002-404676P	20020820	(60)
	US 2002-353288P	20020201	(60)
	US 2002-362230P	20020305	(60)
	US 2002-364181P	20020313	(60)
	US 2001-339022P	20011210	(60)
	US 2002-353286P	20020201	(60)
	US 2002-364978P	20020315	(60)
	US 2001-338989P	20011210	(60)
	US 2002-359956P	20020227	(60)
	US 2002-360964P	20020228	(60)
	US 2002-405698P	20020823	(60)
	US 2001-339314P	20011211	(60)
	US 2001-339517P	20011211	(60)
	US 2002-361256P	20020228	(60)
	US 2001-339611P	20011211	(60)
	US 2002-359914P	20020227	(60)
	US 2002-405400P	20020823	(60)
	US 2001-339516P	20011211	(60)
	US 2002-359626P	20020226	(60)
	US 2002-361264P	20020228	(60)
	US 2002-365025P	20020315	(60)
	US 2002-405684P	20020823	(60)
	US 2001-340981P	20011212	(60)
	US 2001-340565P	20011214	(60)
	US 2002-359671P	20020226	(60)
	US 2002-360924P	20020228	(60)

US 2002-381004P	20020516	(60)
US 2002-401315P	20020806	(60)
US 2001-340608P	20011214	(60)
US 2002-405687P	20020823	(60)
US 2001-340440P	20011214	(60)
US 2002-361028P	20020228	(60)
US 2001-341144P	20011214	(60)
US 2002-359599P	20020226	(60)
US 2002-393332P	20020702	(60)
US 2001-341346P	20011212	(60)
US 2001-341477P	20011217	(60)
US 2002-381495P	20020517	(60)
US 2002-401788P	20020807	(60)
US 2001-341540P	20011217	(60)
US 2002-383744P	20020528	(60)
US 2001-342592P	20011220	(60)
US 2001-340390P	20011214	(60)
US 2001-344903P	20011231	(60)
US 2002-384024P	20020529	(60)
US 2002-373288P	20020417	(60)
US 2002-380981P	20020515	(60)
US 2002-406353P	20020826	(60)
US 2001-341768P	20011218	(60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MINTZ, LEVIN, COHN, FERRIS, GLOVSKY, AND POPEO, P.C., ONE FINANCIAL CENTER, BOSTON, MA, 02111
NUMBER OF CLAIMS: 45
EXEMPLARY CLAIM: 1
LINE COUNT: 36062
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides novel isolated polynucleotides and small molecule target polypeptides encoded by the polynucleotides. Antibodies that immunospecifically bind to a novel small molecule target polypeptide or any derivative, variant, mutant or fragment of that polypeptide, polynucleotide or antibody are disclosed, as are methods in which the small molecule target polypeptide, polynucleotide and antibody are utilized in the detection and treatment of a broad range of pathological states. More specifically, the present invention discloses methods of using recombinantly expressed and/or endogenously expressed proteins in various screening procedures for the purpose of identifying therapeutic antibodies and therapeutic small molecules associated with diseases. The invention further discloses therapeutic, diagnostic and research methods for diagnosis, treatment, and prevention of disorders involving any one of these novel human nucleic acids and proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L39 ANSWER 5 OF 11 USPATFULL on STN
ACCESSION NUMBER: 2004:50801 USPATFULL
TITLE: Therapeutic polypeptides, nucleic acids encoding same, and methods of use
INVENTOR(S): Alsobrook, John P., II, Madison, CT, UNITED STATES
Anderson, David W., Branford, CT, UNITED STATES
Boldog, Ferenc L., North Haven, CT, UNITED STATES
Burgess, Catherine E., Wethersfield, CT, UNITED STATES
Chant, John S., Branford, CT, UNITED STATES
Chapoval, Andrei, Branford, CT, UNITED STATES
Chaudhuri, Amitabha, Madison, CT, UNITED STATES
Edinger, Shlomit R., New Haven, CT, UNITED STATES

Eisen, Andrew, Rockville, MD, UNITED STATES
Gangolli, Esha A., Madison, CT, UNITED STATES
Gerlach, Valerie, Branford, CT, UNITED STATES
Guo, Xiaojia Sasha, Branford, CT, UNITED STATES
Ji, Weizhen, Branford, CT, UNITED STATES
Khramtsov, Nikolai V., Branford, CT, UNITED STATES
Leite, Mario W., Milford, CT, UNITED STATES
Li, Li, Branford, CT, UNITED STATES
Mezes, Peter S., Old Lyme, CT, UNITED STATES
Millet, Isabelle, Milford, CT, UNITED STATES
Ooi, Chean Eng, Branford, CT, UNITED STATES
Ort, Tatiana, Milford, CT, UNITED STATES
Padigaru, Muralidhara, Branford, CT, UNITED STATES
Patturajan, Meera, Branford, CT, UNITED STATES
Pena, Carol E. A., New Haven, CT, UNITED STATES
Rastelli, Luca, Guilford, CT, UNITED STATES
Rieger, Daniel K., Branford, CT, UNITED STATES
Senger, Kerry E. Quinn, Hamden, CT, UNITED STATES
Smithson, Glennda, Guilford, CT, UNITED STATES
Spaderna, Steven K., Berlin, CT, UNITED STATES
Spytek, Kimberly A., New Haven, CT, UNITED STATES
Stone, David J., Guilford, CT, UNITED STATES
Twomlow, Nancy, Madison, CT, UNITED STATES
Vernet, Corine A.M., Branford, CT, UNITED STATES
Voss, Edward Z., Wallingford, CT, UNITED STATES
Zerhusen, Bryan D., Branford, CT, UNITED STATES
Zhong, Mei, Branford, CT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20040038230	A1	20040226
APPLICATION INFO.:	US 2002-287190	A1	20021104 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-996015, filed on 28 Nov 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-338626P	20011105 (60)
	US 2002-373806P	20020419 (60)
	US 2001-338196P	20011203 (60)
	US 2001-333912P	20011128 (60)
	US 2002-381043P	20020516 (60)
	US 2002-401593P	20020807 (60)
	US 2001-334300P	20011129 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MINTZ, LEVIN, COHN, FERRIS, GLOVSKY, AND POPEO, P.C., ONE FINANCIAL CENTER, BOSTON, MA, 02111
NUMBER OF CLAIMS: 45
EXEMPLARY CLAIM: 1
LINE COUNT: 10202
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are nucleic acid sequences that encode novel polypeptides. Also disclosed are polypeptides encoded by these nucleic acid sequences, and antibodies that immunospecifically bind to the polypeptide, as well as derivatives, variants, mutants, or fragments of the novel polypeptide, polynucleotide, or antibody specific to the polypeptide. The invention further discloses therapeutic, diagnostic and research methods for diagnosis, treatment, and prevention of disorders involving any one of these novel human nucleic acids and proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L39 ANSWER 6 OF 11 USPATFULL on STN

ACCESSION NUMBER: 2004:13595 USPATFULL

TITLE: Novel proteins and nucleic acids encoding same

INVENTOR(S): Zerhusen, Bryan D., Branford, CT, UNITED STATES
Padigaru, Muralidhara, Branford, CT, UNITED STATES
Spytek, Kimberly, New Haven, CT, UNITED STATES
Spaderna, Steven, Berlin, CT, UNITED STATES
Gangolli, Esha A., Branford, CT, UNITED STATES
Rastelli, Luca, Guilford, CT, UNITED STATES
Burgess, Catherine E., Wethersfield, CT, UNITED STATES
Majumder, Kumud, Stamford, CT, UNITED STATES
Shimkets, Richard, West Haven, CT, UNITED STATES
Mishra, Vishnu, Branford, CT, UNITED STATES
Vernet, Corine, North Branford, CT, UNITED STATES
Szekeres, Edward S., Branford, CT, UNITED STATES
Grosse, William M., Branford, CT, UNITED STATES
Alsobrook, John P., II, Madison, CT, UNITED STATES
Liu, Xiaohong, Branford, CT, UNITED STATES
Gerlach, Valerie L., Branford, CT, UNITED STATES
Ellerman, Karen, Branford, CT, UNITED STATES
Smithson, Glennda, Branford, CT, UNITED STATES
Peyman, John, New Haven, CT, UNITED STATES
Stone, David, Guilford, CT, UNITED STATES
MacDougall, John, Hamden, CT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20040010118	A1	20040115
APPLICATION INFO.:	US 2001-930512	A1	20010815 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-225692P	20000816 (60)
	US 2000-225693P	20000816 (60)
	US 2000-225837P	20000816 (60)
	US 2000-226236P	20000818 (60)
	US 2000-226353P	20000818 (60)
	US 2000-227085P	20000822 (60)
	US 2000-227395P	20000823 (60)
	US 2000-227492P	20000824 (60)
	US 2000-227600P	20000824 (60)
	US 2001-275952P	20010314 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: MINTZ, LEVIN, COHN, FERRIS, GLOVSKY, AND POPEO, P.C., ONE FINANCIAL CENTER, BOSTON, MA, 02111

NUMBER OF CLAIMS: 49

EXEMPLARY CLAIM: 1

LINE COUNT: 9358

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are nucleic acid sequences that encode novel polypeptides. Also disclosed are polypeptides encoded by these nucleic acid sequences, and antibodies, which immunospecifically-bind to the polypeptide, as well as derivatives, variants, mutants, or fragments of the aforementioned polypeptide, polynucleotide, or antibody. The invention further discloses therapeutic, diagnostic and research methods for diagnosis, treatment, and prevention of disorders involving any one of these novel human nucleic acids and proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L39 ANSWER 7 OF 11 USPATFULL on STN

ACCESSION NUMBER: 2003:306872 USPATFULL

TITLE: Novel polypeptides and nucleic acids encoding same

INVENTOR(S): Anderson, David W., Branford, CT, UNITED STATES
Guo, Xiaojia (Sasha), Branford, CT, UNITED STATES
Gusev, Vladimir Y., Madison, CT, UNITED STATES
Herrmann, John L., Guilford, CT, UNITED STATES
Li, Li, Branford, CT, UNITED STATES
Mezes, Peter S., Old Lyme, CT, UNITED STATES
Padigaru, Muralidhara, Branford, CT, UNITED STATES
Patturajan, Meera, Branford, CT, UNITED STATES
Pena, Carol E. A., New Haven, CT, UNITED STATES
Rastelli, Luca, Guilford, CT, UNITED STATES
Shimkets, Richard A., Guilford, CT, UNITED STATES
Smithson, Glennda, Guilford, CT, UNITED STATES
Spaderna, Steven K., Berlin, CT, UNITED STATES
Taupier, Raymond J., JR., East Haven, CT, UNITED STATES
Vernet, Corine A.M., Branford, CT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20030216308	A1	20031120
APPLICATION INFO.:	US 2002-174364	A1	20020617 (10)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-813432, filed on 20 Mar 2001, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-190835P	20000320 (60)
	US 2000-190768P	20000320 (60)
	US 2000-190972P	20000322 (60)
	US 2000-191199P	20000322 (60)
	US 2000-191947P	20000324 (60)
	US 2000-192665P	20000328 (60)
	US 2000-192657P	20000328 (60)
	US 2000-192984P	20000328 (60)
	US 2000-192664P	20000328 (60)
	US 2000-192836P	20000329 (60)
	US 2000-193843P	20000331 (60)
	US 2000-237862P	20001004 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Ivor R. Elrifi, Esq., MINTZ, LEVIN, COHN, FERRIS,, GLOVSKY AND POPEO, P.C., One Financial Center, Boston, MA, 02111

NUMBER OF CLAIMS: 43

EXEMPLARY CLAIM: 1

LINE COUNT: 7656

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides novel isolated NOVX polynucleotides and polypeptides encoded by the NOVX polynucleotides. Also provided are the antibodies that immunospecifically bind to a NOVX polypeptide or any derivative, variant, mutant or fragment of the NOVX polypeptide, polynucleotide or antibody. The invention additionally provides methods in which the NOVX polypeptide, polynucleotide and antibody are utilized in the detection and treatment of a broad range of pathological states, as well as to other uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L39 ANSWER 8 OF 11 USPATFULL on STN
ACCESSION NUMBER: 2003:213847 USPATFULL
TITLE: Novel polypeptides and nucleic acids encoding same
INVENTOR(S): Taupier, Raymond J., JR., East Haven, CT, UNITED STATES
Majumder, Kumud, Stamford, CT, UNITED STATES
Spaderna, Steven K., Berlin, CT, UNITED STATES
Smithson, Glennda, Guilford, CT, UNITED STATES
Mezes, Peter S., Old Lyme, CT, UNITED STATES
Vernet, Corine A.M., North Branford, CT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20030148485	A1	20030807
APPLICATION INFO.:	US 2001-813432	A1	20010320 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-190835P	20000320 (60)
	US 2000-190768P	20000320 (60)
	US 2000-190972P	20000322 (60)
	US 2000-191199P	20000322 (60)
	US 2000-191947P	20000324 (60)
	US 2000-192665P	20000328 (60)
	US 2000-192657P	20000328 (60)
	US 2000-192984P	20000328 (60)
	US 2000-192664P	20000328 (60)
	US 2000-192836P	20000329 (60)
	US 2000-193843P	20000331 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MINTZ, LEVIN, COHN, FERRIS, GLOVSKY and POPEO, P.C., One Financial Center, Boston, MA, 02111
NUMBER OF CLAIMS: 43
EXEMPLARY CLAIM: 1
LINE COUNT: 6510
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides novel isolated NOVX polynucleotides and polypeptides encoded by the NOVX polynucleotides. Also provided are the antibodies that immunospecifically bind to a NOVX polypeptide or any derivative, variant, mutant or fragment of the NOVX polypeptide, polynucleotide or antibody. The invention additionally provides methods in which the NOVX polypeptide, polynucleotide and antibody are utilized in the detection and treatment of a broad range of pathological states, as well as to other uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L39 ANSWER 9 OF 11 USPATFULL on STN
ACCESSION NUMBER: 2003:285085 USPATFULL
TITLE: Mammalian proteases; related reagents
INVENTOR(S): Balasubramanian, Sriram, La Jolla, CA, United States
Ford, John, Palo Alto, CA, United States
Gorman, Daniel M., Newark, CA, United States
Zurawski, Gerard, San Juan Bautista, CA, United States
PATENT ASSIGNEE(S): Schering Corporation, Kenilworth, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6638507	B1	20031028

APPLICATION INFO.: US 2000-650284 20000829 (9)
RELATED APPLN. INFO.: Division of Ser. No. US 1996-706216, filed on 30 Aug 1996, now patented, Pat. No. US 6140098
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Nolan, Patrick J.
LEGAL REPRESENTATIVE: Ching, Edwin P., Brody, Tom
NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 2901
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Nucleic acids encoding various proteases, from a mammal, reagents related thereto, including specific antibodies, and purified proteins are described. Methods of using said reagents and related diagnostic kits are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L39 ANSWER 10 OF 11 USPATFULL on STN
ACCESSION NUMBER: 2000:146144 USPATFULL
TITLE: Nucleic acids encoding mammalian proteinases; related reagents
INVENTOR(S): Balasubramanian, Sriram, La Jolla, CA, United States
Ford, John, Palo Alto, CA, United States
Gorman, Daniel M., Newark, CA, United States
Zurawski, Gerard, San Juan Bautista, CA, United States
PATENT ASSIGNEE(S): Schering Corporation, Kenilworth, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6140098		20001031
APPLICATION INFO.:	US 1996-706216		19960830 (8)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Nashed, Nashaat T.
LEGAL REPRESENTATIVE: Mohan-Peterson, Sheela, Keleher, Gerald P., Ching, Edwin P.
NUMBER OF CLAIMS: 29
EXEMPLARY CLAIM: 1
LINE COUNT: 3264
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Nucleic acids encoding various proteases, from a mammal, reagents related thereto, including specific antibodies, and purified proteins are described. Methods of using said reagents and related diagnostic kits are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L39 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1992:589469 CAPLUS
DOCUMENT NUMBER: 117:189469
ORIGINAL REFERENCE NO.: 117:32677a,32680a
TITLE: Immunological analysis of proteoglycan structural changes in the early stage of experimental osteoarthritic canine cartilage lesions
AUTHOR(S): Pelletier, Jean Pierre; Martel-Pelletier, Johanne; Mehraban, Fuad; Malemud, Charles J.
CORPORATE SOURCE: Rheum. Dis. Unit, Univ. Montreal, Montreal, QC, H2L 4K8, Can.

SOURCE: Journal of Orthopaedic Research (1992), 10(4), 511-23
CODEN: JOREDR; ISSN: 0736-0266
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Specific modifications of the proteoglycan (PG) structure of osteoarthritic (OA) dog cartilage in relation to endogenous metalloprotease activity were examined using murine anti-proteoglycan monoclonal antibodies (MoAbs). OA lesions were induced over a period of 8 wk in crossbred dogs. The articular cartilage was removed and homogenized in a Tris buffer, pH 7.5, and then divided into four groups: direct PG extraction, no addition, presence of 1 mM p-aminophenyl mercuric acetate (APMA), and presence of 1 mM APMA and 10 mM o-phenanthroline, incubated for 42 h at 37° followed by PG extraction MoAbs reactive with PG protein and carbohydrate epitopes included 1C6, 3B3, 5D4, D1B2, and m4D6. The results showed marked alterations induced by APMA activation of the endogenous metalloproteases. PG changes were apparent at at least three sites: one was either in the hyaluronic acid-binding region or between the hyaluronic-binding region and the G2 globular domain, another was between the keratan-sulfate-rich domain and the chondroitin sulfate-attachment domain, and a third was in the chondroitin sulfate-attachment domain. Constitutive metalloprotease activity resulted in less marked PG alterations with preservation of functional PG aggregation to hyaluronan.